

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1047713

Luminaire Tested: **GALN-SA5A-727-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1047713
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5A-727-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (70) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16124.6 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 136.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

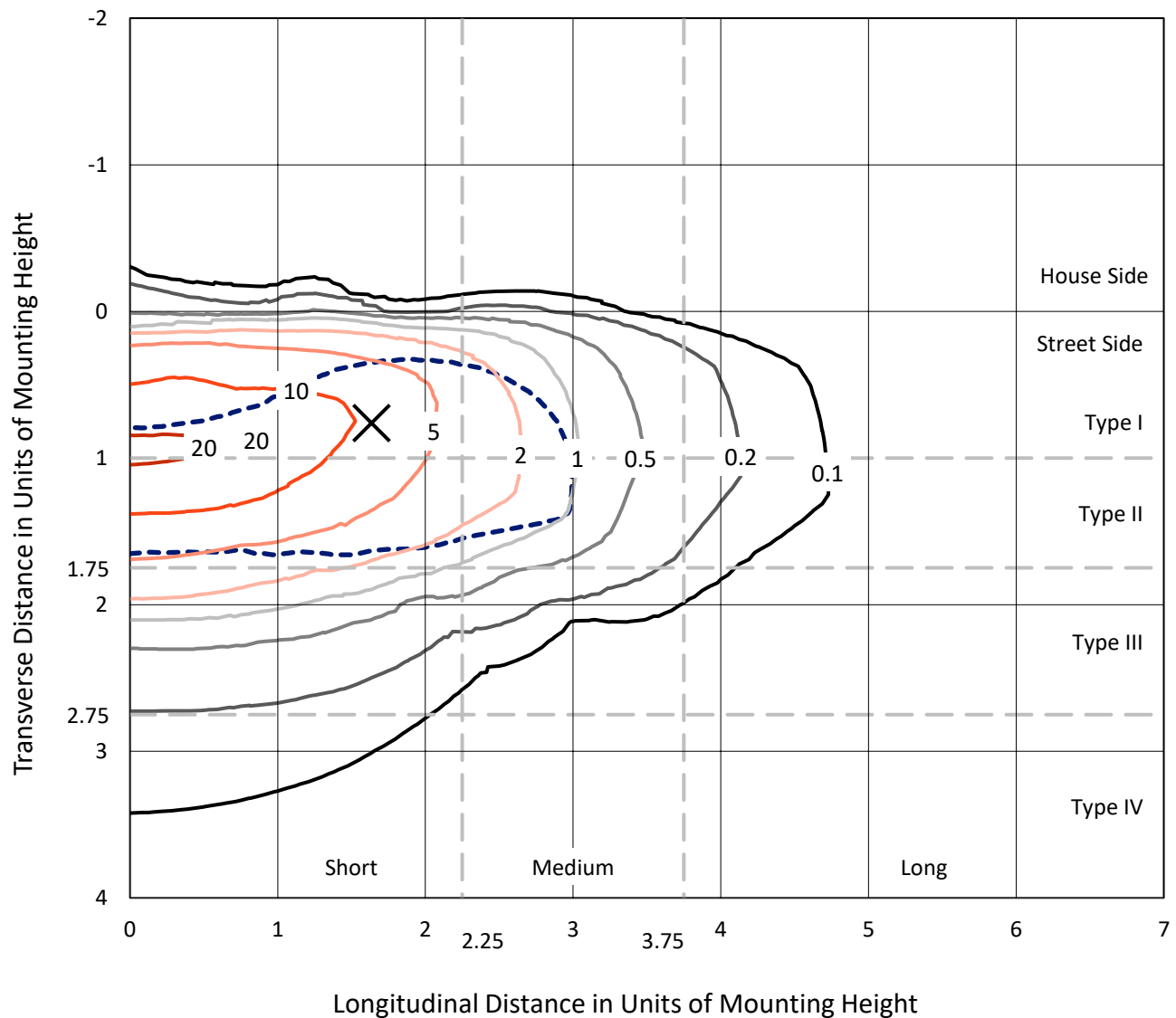


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

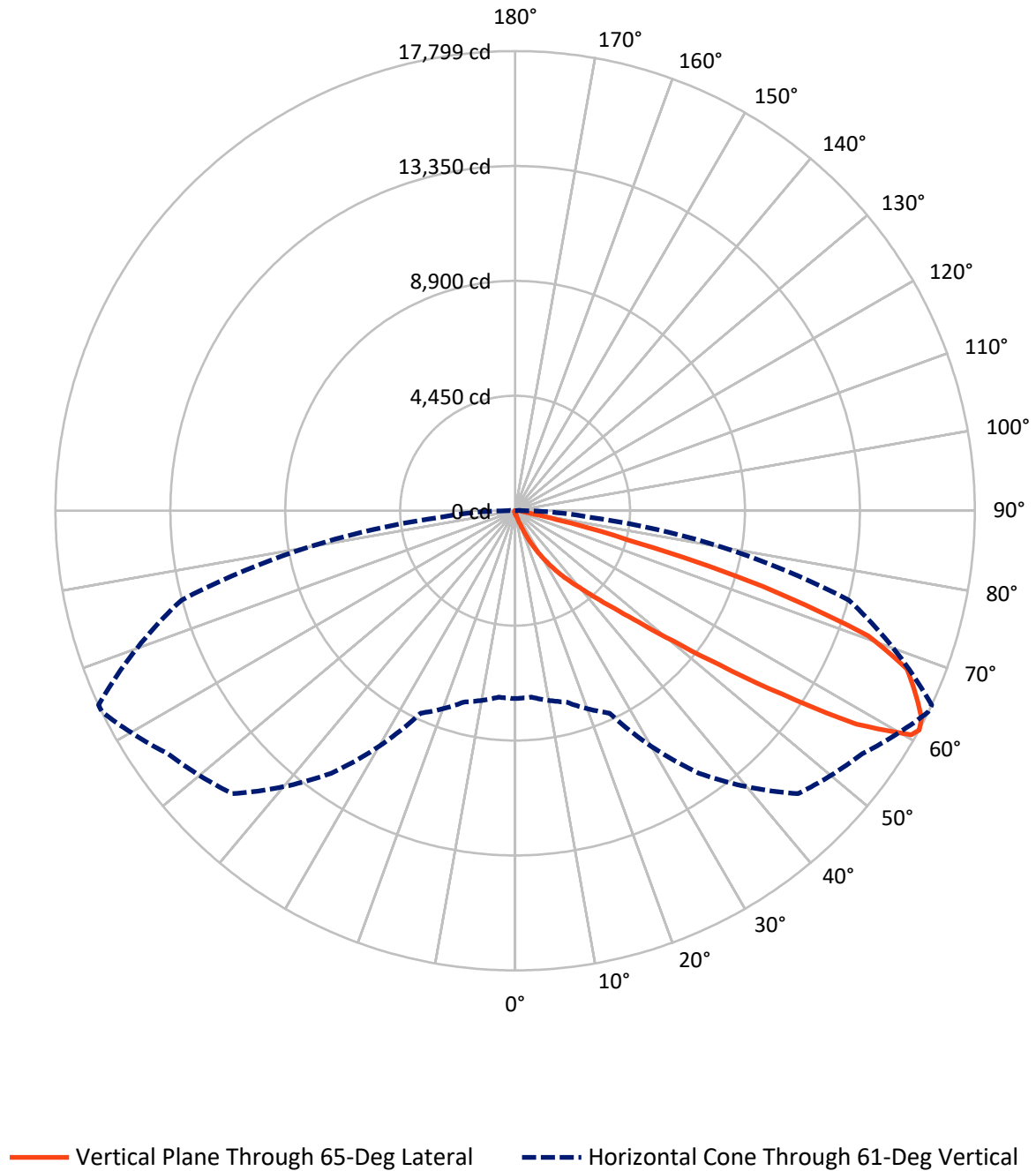


Based on 15 foot mounting height. Maximum calculated value = 21.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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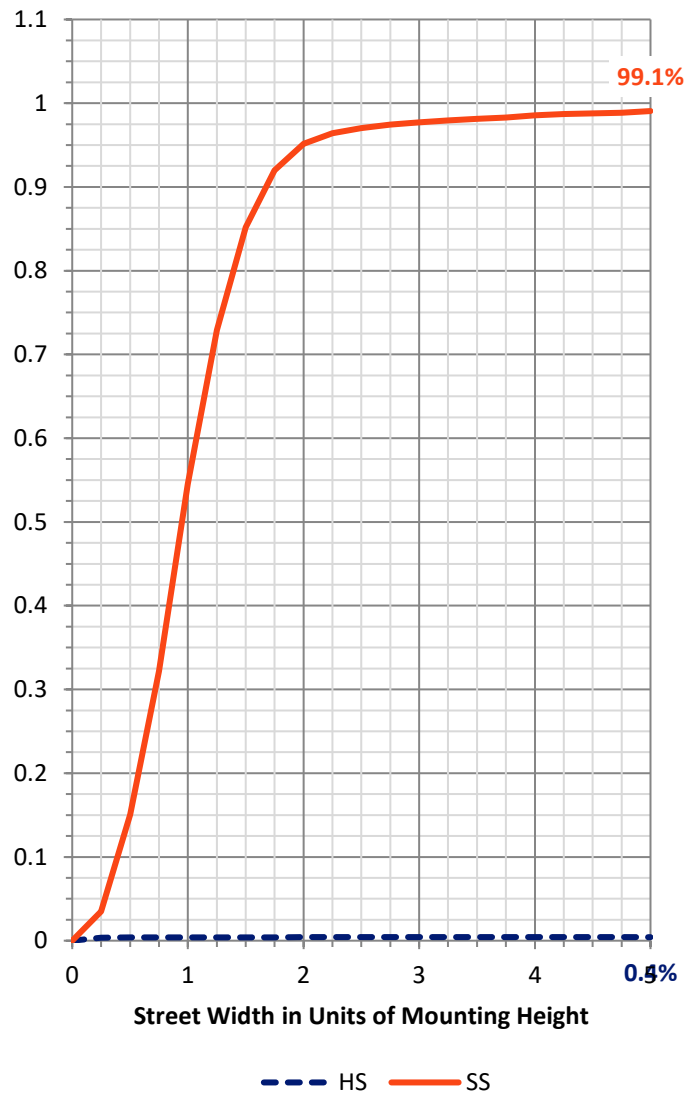
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	68.8	0.0	68.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	16055.8	0.0	16055.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	16124.6	0.0	16124.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.6	0.1
10°-20°	132.6	0.8
20°-30°	475.9	3.0
30°-40°	1266.9	7.9
40°-50°	3328.2	20.6
50°-60°	5156.0	32.0
60°-70°	4323.3	26.8
70°-80°	1272.3	7.9
80°-90°	156.9	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	16124.6	100.0
0°-180°	16124.6	100.0



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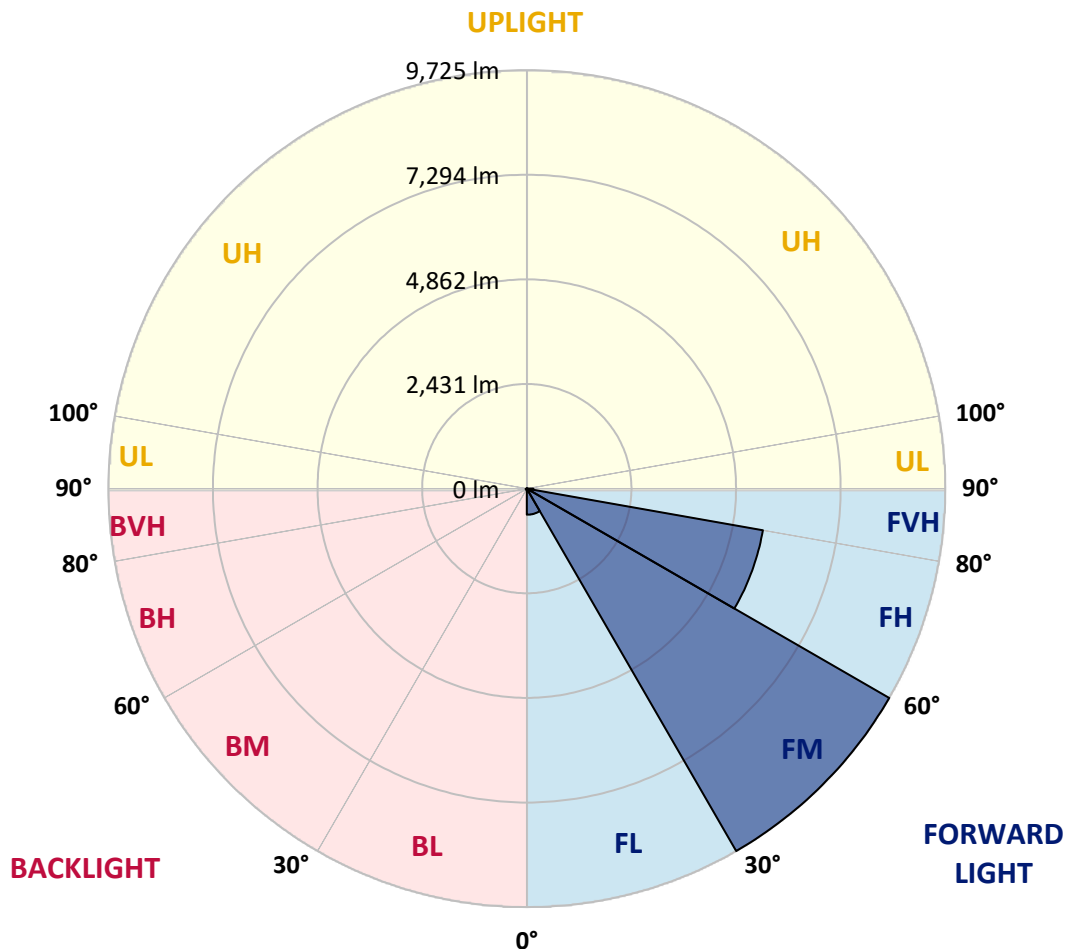
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	605.6	3.8			
FM	(30°-60°)	9725.0	60.3			
FH	(60°-80°)	5571.2	34.6			G3/7500
FVH	(80°-90°)	154.0	1.0			G2/225
BL	(0°-30°)	15.4	0.1	B0/110		
BM	(30°-60°)	26.2	0.2	B0/220		
BH	(60°-80°)	24.3	0.2	B0/110		G0/110
BVH	(80°-90°)	2.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2.5°	119.8	120.9	118.7	114.2	110.9	110.9	109.8	106.5	106.5	103.2	100.9
5°	167.5	165.3	160.8	152.0	144.2	136.4	128.7	120.9	119.8	109.8	103.2
7.5°	274.0	276.2	261.8	234.0	210.7	180.8	153.1	136.4	134.2	117.6	104.3
10°	601.2	584.5	551.3	443.7	364.9	275.1	204.1	158.6	156.4	126.4	106.5
12.5°	1095.9	1082.6	1021.6	910.7	707.7	492.5	298.4	196.3	189.7	134.2	107.6
15°	1579.5	1558.4	1525.2	1413.1	1175.8	882.9	488.0	268.4	250.7	145.3	106.5
17.5°	1887.9	1891.2	1861.2	1813.5	1660.5	1306.6	843.0	400.4	366.0	165.3	104.3
20°	2157.4	2149.6	2166.3	2140.8	2033.2	1775.8	1226.8	634.5	575.7	197.4	105.4
22.5°	2468.0	2486.8	2499.0	2493.5	2374.8	2155.2	1662.7	949.5	875.2	256.2	108.7
25°	2883.9	2881.7	2882.8	2868.4	2753.0	2509.0	2099.7	1341.0	1265.6	351.6	116.5
27.5°	3319.8	3333.1	3338.7	3286.6	3135.7	2896.1	2504.6	1769.2	1680.4	504.7	126.4
30°	3915.5	3904.4	3878.9	3772.4	3589.4	3292.1	2903.9	2218.4	2125.2	718.8	142.0
32.5°	4718.5	4706.3	4577.7	4342.5	4068.6	3704.7	3305.4	2668.7	2555.6	986.1	163.1
35°	6041.8	6060.7	5744.6	5135.6	4644.2	4200.5	3750.2	3116.9	3017.0	1315.5	191.9
37.5°	8068.3	7965.2	7535.9	6460.0	5401.8	4819.5	4175.0	3569.4	3482.9	1721.5	229.6
40°	10037.2	9935.1	9810.9	8791.5	6718.4	5501.6	4769.6	4100.7	3988.7	2179.6	285.1
42.5°	12106.9	12050.4	12044.8	11276.1	9121.0	6574.2	5485.0	4723.0	4627.6	2682.0	376.0
45°	13573.3	13516.7	13635.4	13769.6	12393.1	8872.5	6730.6	5531.6	5392.9	3292.1	521.3
47.5°	13770.7	13773.0	14090.2	14510.6	14824.5	12427.5	8390.0	6603.1	6434.5	4165.1	765.3
50°	13114.1	13139.6	13644.3	14396.3	15241.5	15410.1	11316.1	8158.2	7908.6	5199.9	1111.4
52.5°	11864.0	11892.9	12596.1	13832.8	14857.8	16126.7	14761.3	10192.5	9905.2	6491.0	1599.5
55°	10738.2	10755.9	11562.3	13125.2	14395.2	15737.3	16806.6	12908.9	12531.8	8079.4	2080.9
57.5°	9623.4	9582.4	10107.0	11896.2	14316.5	15259.3	17108.3	16004.7	15588.7	9815.3	2455.8
60°	8132.7	8063.9	8485.4	9623.4	13280.5	15573.2	16543.7	17717.3	17623.0	12232.3	2745.3
61°	7275.3	7246.4	7670.1	8646.2	12408.6	15493.3	16408.4	17789.4	17799.4	13375.9	2875.0
62.5°	5195.5	5277.6	5925.4	7194.3	10393.2	14975.3	16426.2	17566.4	17665.1	14895.5	3211.1
65°	2309.4	2441.4	2944.9	3977.6	6044.0	12457.4	16268.7	17077.3	17028.5	15312.5	4369.1
67.5°	1369.9	1389.8	1640.5	2253.9	3201.2	6700.7	14356.4	16430.6	16365.2	13330.4	5436.2
70°	1079.3	1089.2	1169.1	1414.2	1857.9	2566.7	8193.7	14215.5	14500.6	10809.2	5321.9
72.5°	1023.8	1021.6	1032.7	1075.9	1170.2	1273.4	3172.3	9449.3	10029.4	7784.4	4462.3
75°	1010.5	1006.0	995.0	978.3	847.4	749.8	982.8	4179.5	4515.6	5318.6	3359.8
77.5°	980.5	981.6	983.9	938.4	726.5	530.2	475.8	1341.0	1649.4	3375.3	2388.1
80°	663.3	673.3	689.9	672.2	653.3	383.8	336.1	477.0	483.6	1894.5	1577.3
82.5°	336.1	336.1	328.3	292.8	252.9	249.6	267.3	346.1	350.5	958.3	742.1
85°	203.0	214.1	218.5	198.5	181.9	167.5	204.1	275.1	285.1	371.6	173.0
87.5°	45.5	46.6	51.0	67.7	98.7	134.2	189.7	251.8	256.2	238.5	21.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GALN-SA5A-727-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2.5°	99.8	97.6	96.5	93.2	89.8	86.5	84.3	83.2	84.3	85.4	85.4
5°	98.7	95.4	89.8	84.3	79.9	75.4	71.0	69.9	69.9	71.0	71.0
7.5°	98.7	93.2	85.4	78.8	72.1	65.4	62.1	59.9	61.0	61.0	61.0
10°	98.7	92.1	82.1	72.1	64.3	56.6	51.0	48.8	48.8	48.8	48.8
12.5°	97.6	91.0	78.8	66.6	55.5	46.6	39.9	36.6	37.7	37.7	37.7
15°	95.4	87.6	74.3	56.6	44.4	35.5	28.8	25.5	26.6	28.8	29.9
17.5°	92.1	84.3	66.6	47.7	35.5	26.6	20.0	17.7	18.9	22.2	22.2
20°	91.0	81.0	58.8	38.8	26.6	18.9	13.3	11.1	12.2	16.6	17.7
22.5°	91.0	78.8	53.2	32.2	20.0	12.2	7.8	4.4	4.4	7.8	7.8
25°	92.1	77.6	48.8	26.6	14.4	8.9	4.4	2.2	4.4	12.2	14.4
27.5°	94.3	76.5	46.6	22.2	11.1	7.8	3.3	7.8	13.3	13.3	13.3
30°	96.5	74.3	43.3	18.9	10.0	5.5	5.5	11.1	11.1	13.3	14.4
32.5°	99.8	73.2	41.0	16.6	7.8	4.4	7.8	6.7	6.7	7.8	8.9
35°	106.5	74.3	38.8	16.6	7.8	5.5	6.7	3.3	2.2	2.2	2.2
37.5°	115.4	75.4	35.5	14.4	6.7	6.7	3.3	0.0	0.0	0.0	0.0
40°	129.8	78.8	33.3	13.3	5.5	5.5	1.1	0.0	0.0	0.0	0.0
42.5°	154.2	85.4	32.2	12.2	5.5	4.4	0.0	0.0	0.0	0.0	0.0
45°	203.0	100.9	29.9	11.1	5.5	2.2	0.0	0.0	0.0	0.0	0.0
47.5°	291.7	137.5	28.8	8.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0
50°	425.9	186.3	27.7	7.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	543.5	196.3	18.9	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	556.8	135.3	14.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	443.7	87.6	12.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	336.1	66.6	11.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	322.8	59.9	11.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	356.1	52.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	579.0	43.3	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1006.0	37.7	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1271.1	35.5	6.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1108.1	32.2	6.7	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	666.6	27.7	6.7	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	349.4	21.1	6.7	5.5	3.3	1.1	0.0	0.0	0.0	0.0	0.0
80°	169.7	18.9	7.8	5.5	4.4	2.2	0.0	0.0	0.0	0.0	0.0
82.5°	66.6	15.5	8.9	7.8	5.5	3.3	1.1	0.0	0.0	0.0	0.0
85°	29.9	13.3	10.0	8.9	7.8	4.4	1.1	0.0	0.0	0.0	0.0
87.5°	15.5	12.2	11.1	10.0	7.8	5.5	2.2	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

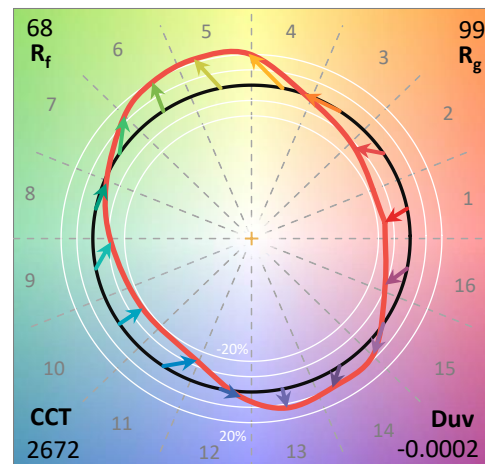
Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

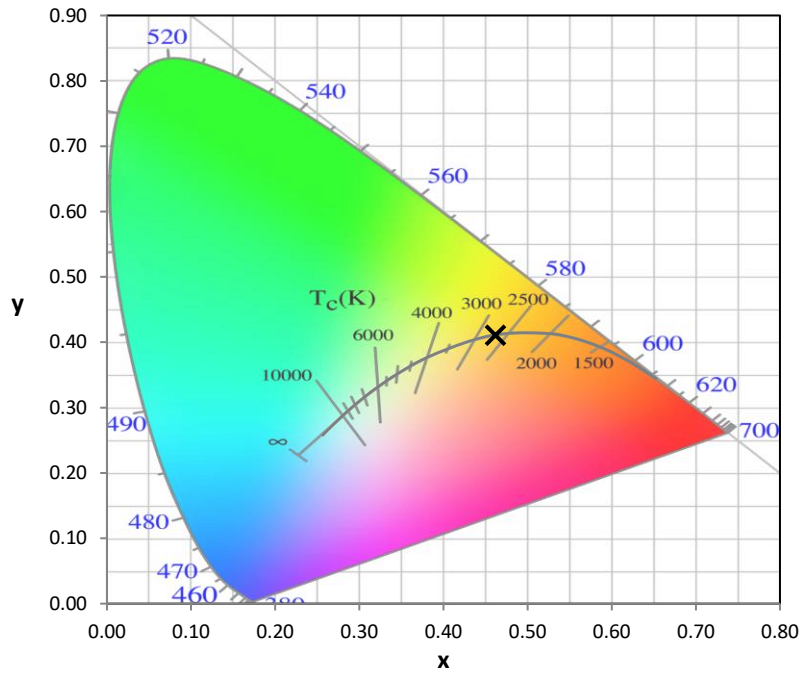
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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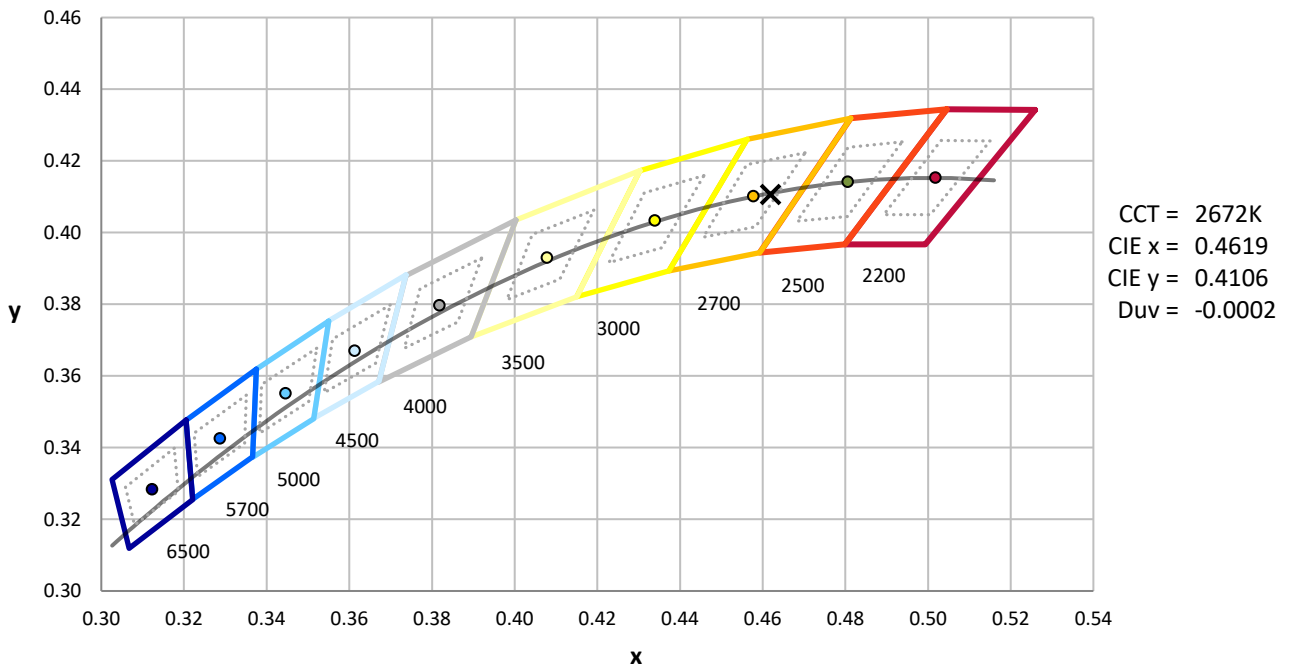
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram

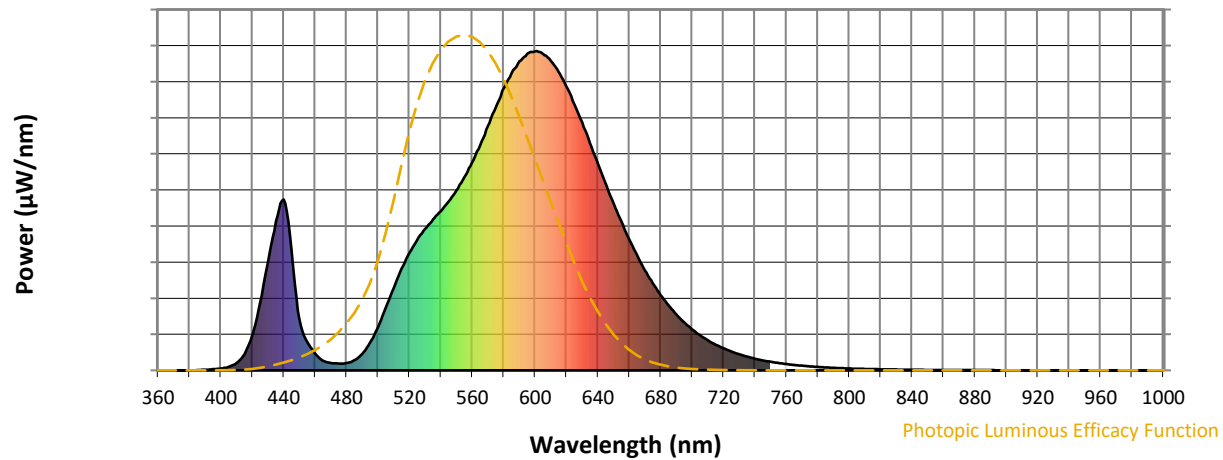


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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Photopic Flux vs. Wavelength

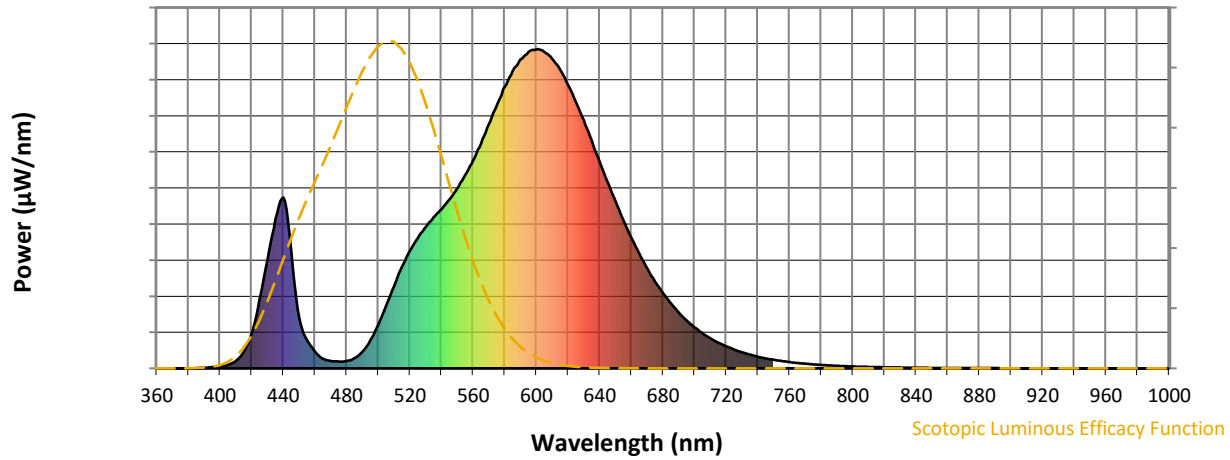


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



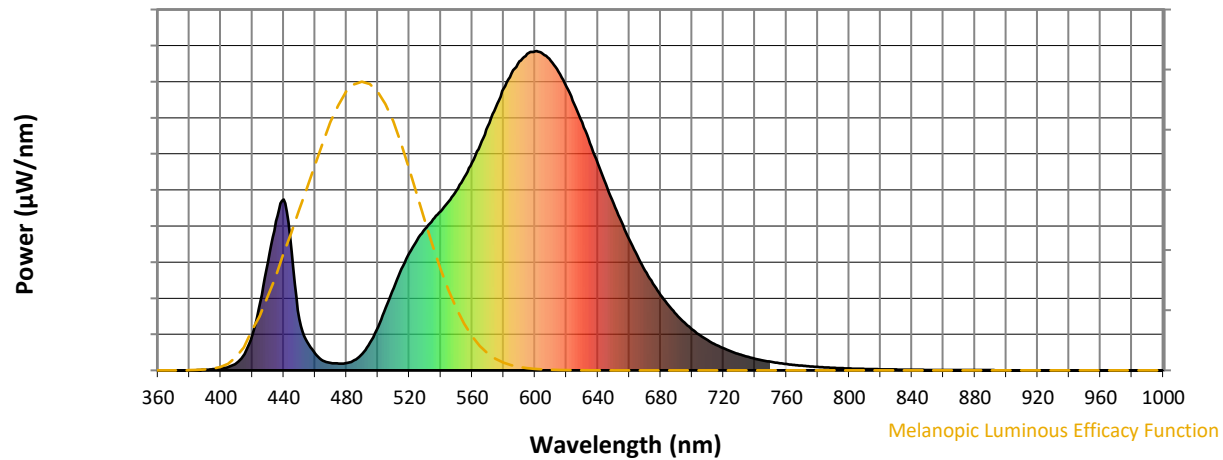
Scotopic Lumens: NR

S/P: 1.02

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.71

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

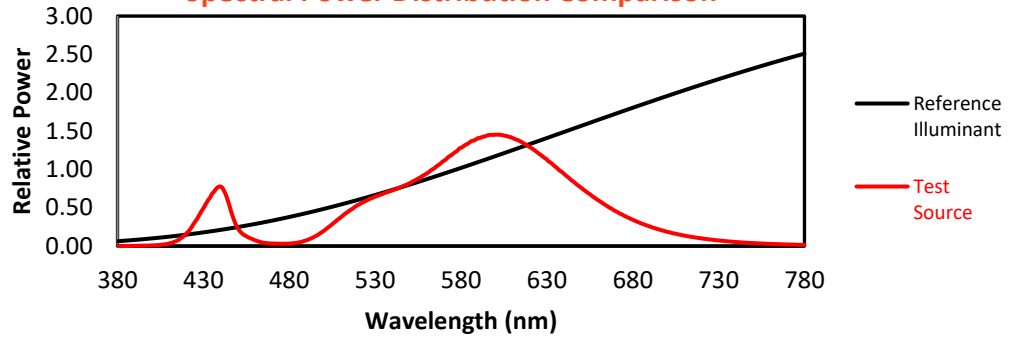
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TM-30-18

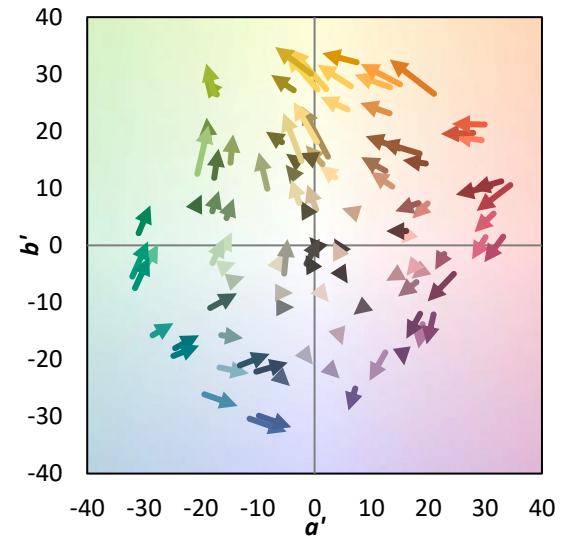
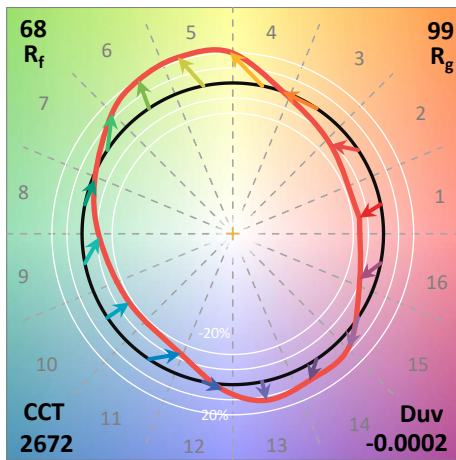
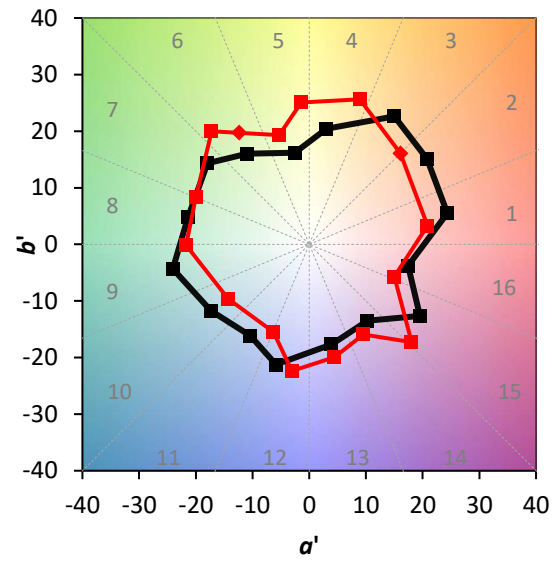
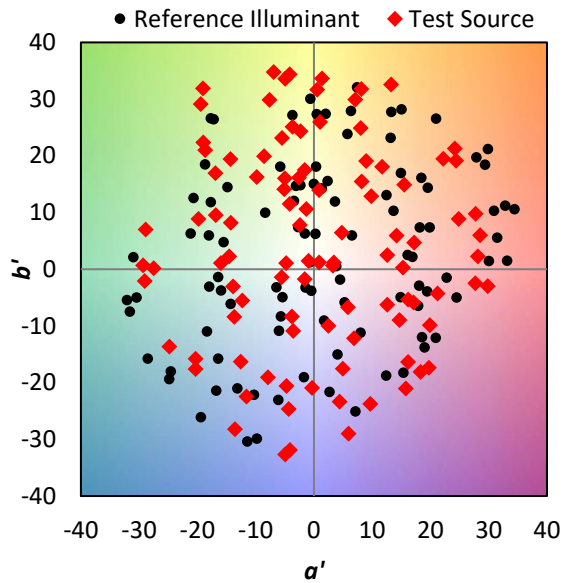
Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison

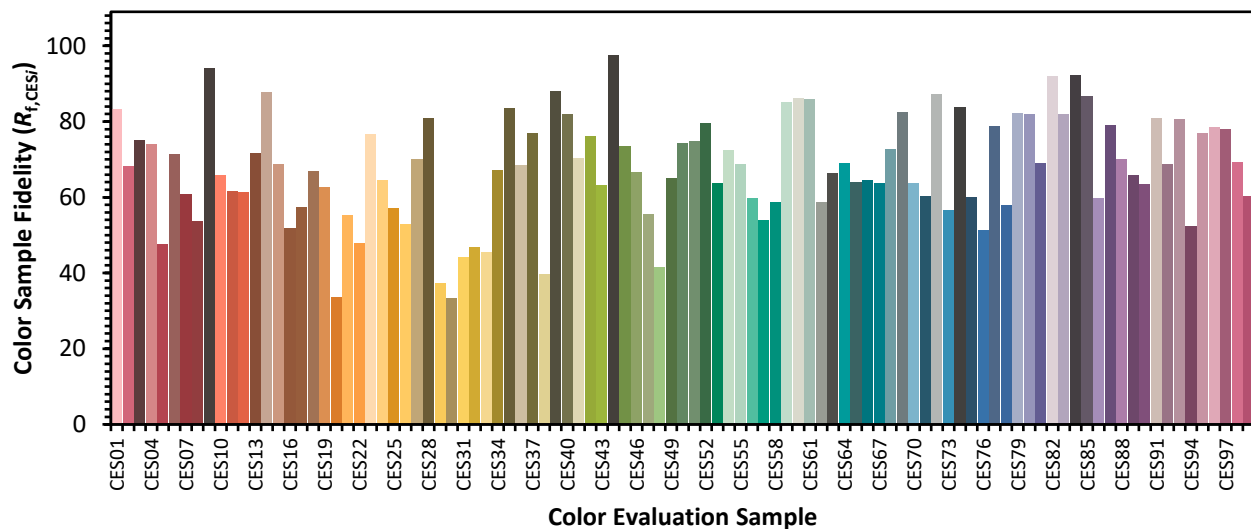


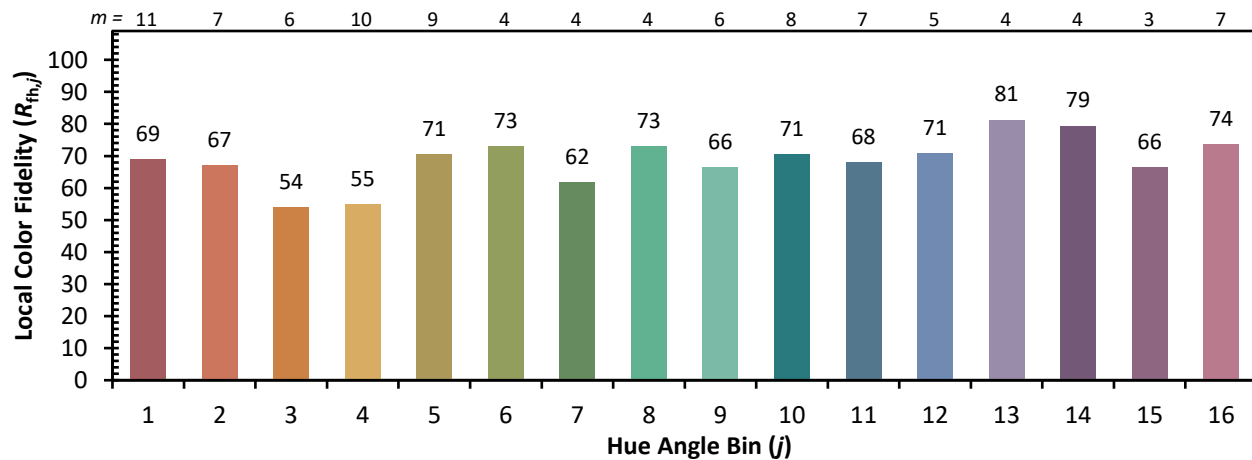
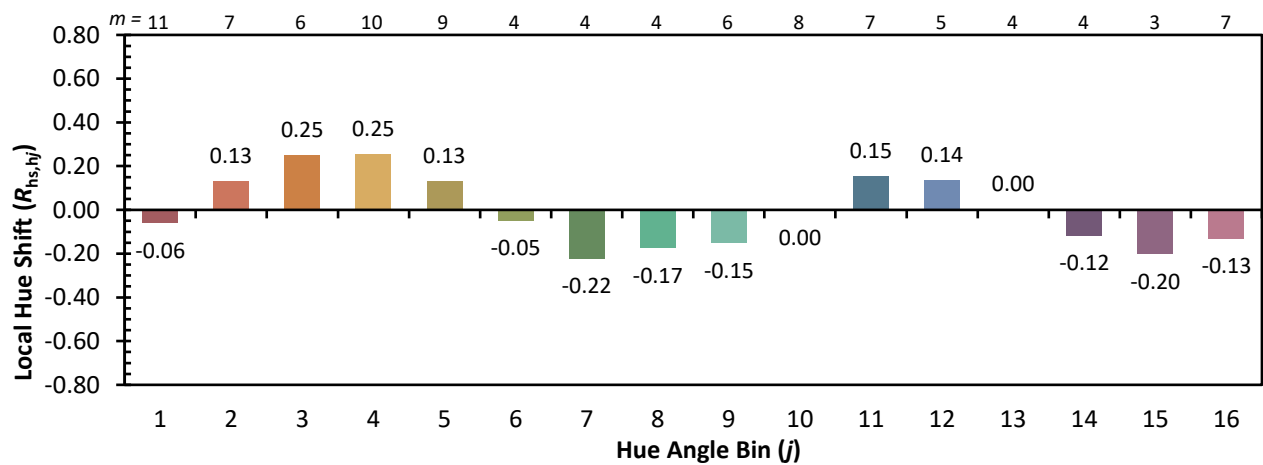
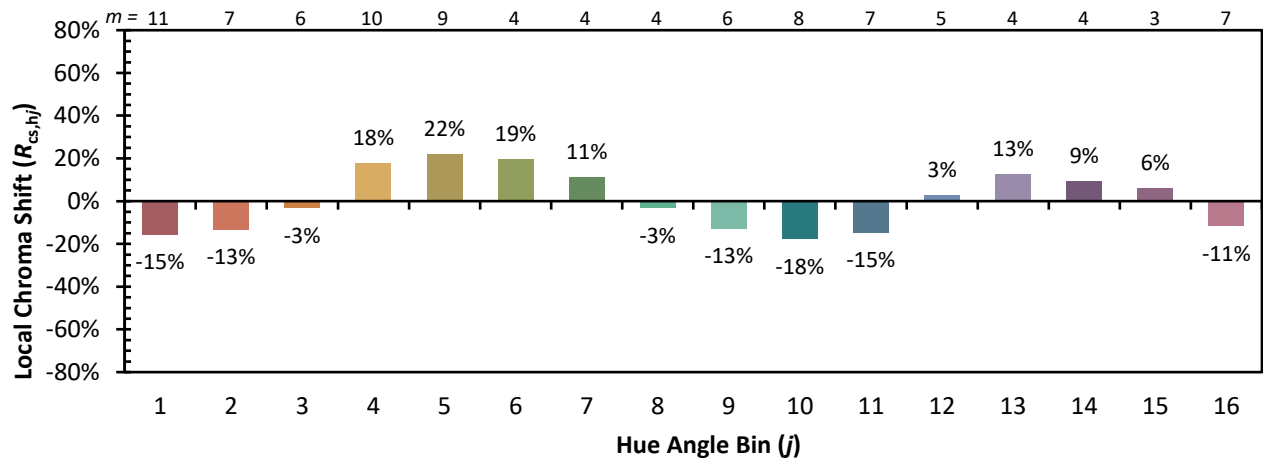
Color Vector Graphics



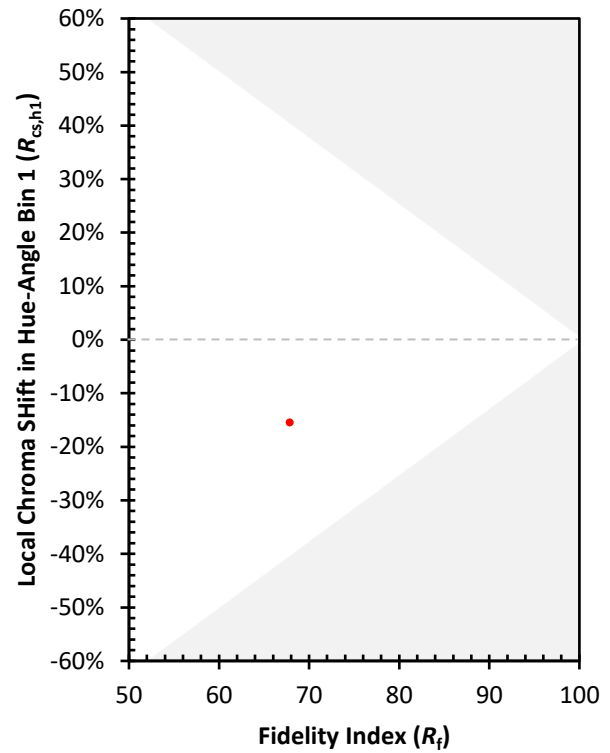
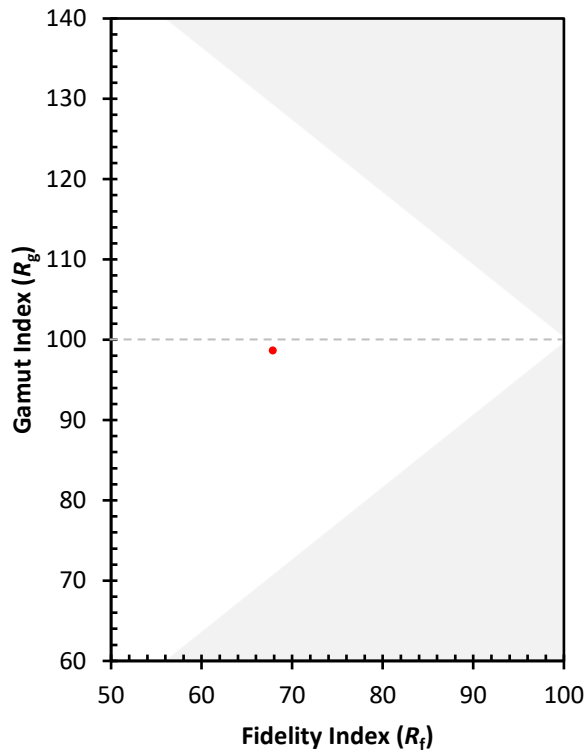
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)